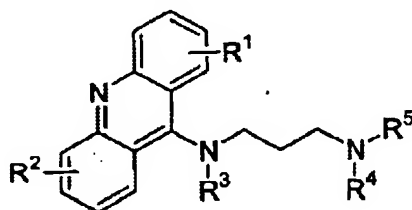


Claim amendments

1. (Currently amended) A method of treating an autoimmune, ~~infectious~~, or hyperplastic disease ~~selected from autoimmune lymphoproliferative syndrome, autoimmune thyroid disease, hyper eosinophilia, viral hepatitis, colon carcinoma, breast carcinoma, prostate cancer, neuroblastoma, and glioma~~ in a mammal, comprising administering to the mammal a therapeutically effective amount of a compound of the formula:



where:

~~R¹ and R² are independently selected from hydrogen, halogen, hydroxy, optionally substituted alkyl, optionally substituted alkoxy, NR³R⁴ (where R is hydrogen or alkyl and R' is hydrogen, alkyl, or aryl), and optionally substituted aryl; and~~

R₃, R₄, and R₅ are independently selected from hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted alkylcarbonyl, and optionally substituted arylcarbonyl, as a single stereoisomer or mixture of stereoisomers, or a pharmaceutically acceptable salt thereof.

2. (Canceled)

3. (Currently amended) The method of claim 1, where R³ is hydrogen.

4. (Original) The method of claim 3, where R⁴ and R⁵ are alkyl.

5. (Original) The method of claim 4, where the compound is 9-[(3-diethylaminopropyl)amino]acridine or a pharmaceutically acceptable salt thereof.

6. - 8. (Canceled)

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9. (Currently amended) The method of claim 1, further comprising treating said mammal with an additional form of therapy for said disease state, the additional form of therapy being a conventional form of therapy for said disease.

10. - 11. (Canceled)

12. (new) The method of claim 1, where the disease is a hyperplastic disease selected from colon carcinoma, breast carcinoma, prostate cancer, neuroblastoma, and glioma.